

PHOSPHORS CONTAINING BORON AND
METALS OF GROUPS IIIA AND IIIB

ABSTRACT OF THE DISCLOSURE

[0050] A phosphor comprises: (a) at least a first metal selected from the group consisting of yttrium and elements of lanthanide series other than europium; (b) at least a second metal selected from the group consisting of aluminum, gallium, indium, and scandium; (c) boron; and (d) europium. The phosphor is used in light source that comprises a UV radiation source to convert UV radiation to visible light.